

igus presents maintenance-free systems for the packaging industry

The plastics expert igus offers products for cost-effective and zero-maintenance options for packaging machinery design

igus presents a wide range of innovative products – ranging from food grade tribo tape to fully harnessed energy chain systems. These are specifically developed for the stringent demands of the industry.

"Manufacturers of packaging machinery rely upon high-performance components especially where products must be packaged in a time and energy-efficient manner", states Lars Braun, Head of Industry Management – Packaging Industry at igus GmbH. "Machinery has to be designed and manufactured within strict rules and regulations, whilst minimising associated costs, in order to do this we offer individual components as well as complete systems for drive technology.

Food grade: quality standards in accordance with FDA and EU Directives

The policy for food hygiene has been clearly defined by the standards of US and European regulators. At igus, most "food grade" products are produced in blue, and are therefore clearly identifiable. The world's first tribo tape made from proven iglidur A160 materials is suited for a wide range of applications due to its friction and wear values. Specifically, its maintenance free dry-running properties make it an ideal component for packaging machinery as a sliding surface where low friction is essential. Another example, and with an equally wide range of design freedom, iglidur A160 is also available as stock bar. Food-grade materials, iglidur A181 and iglidur A350 are used for even more specialised challenges, such as high temperature applications. Even for conveyor technology, the injection moulded knife-edge rollers from igus allow the complete avoidance of additional lubricants, whilst also providing better wear values when compared to PET-P versions.

Complete drive systems

As a system manufacturer, igus also has developed a presence in drive technology. The drylin product range has evolved and is enhanced by the linear modules drylin SLW Protect and drylin SLWT-1080. drylin SLW Protect is designed for sensitive environments. The durable drylin W linear rail provides an effective protection mechanism that safeguards the lead screw and lead screw nut against impact from falling components and debris. This enhances its maintenance-free characteristics, a feature also shared by the drylin SLWT-1080. Our new linear unit is equipped with a twin lead screw, which allows separate control of the carriages. Various lead screw pitches can be combined, therefore providing maximum design and operating flexibility. The drylin E stepper motors also create new design possibilities. The compact design of the laterally mounted motor flange allows the motor to be mounted adjacent to the system, therefore reducing the overall system footprint. The new xiros ball bearings made from FDA compliant xirodur F180 material, combined with our aluminium guide rollers provide yet wider options for packaging system solutions, included within this are the cost-effective flanged ball bearings made from xirodur B180 (available in various diameters,) which also fall into the igus approach of consistently striving for improved solutions.

Complete systems for energy chains and cables

The readychain and readycable product range seamlessly integrate into the igus system concept. Fully harnessed energy supply system solutions ensure savings in logistics and downtime. The innovative plug&play method of "readychain speed", where the connector and mounting bracket form a compact unit, allows the complete energy chain to be connected within seconds without the use of tools.. This significantly reduces assembly and maintenance time. Ranging from individual components to complete systems, igus provides in excess of 100,000 products for packaging machinery designers and builders.

Captions:



Image PM1914-1

The tribo tape made from iglidur A160 materials can be bonded in a variety of ways, therefore allowing a wide range of options when designing sliding surfaces where low friction and wear is essential. (Source: igus GmbH)



Image PM1914-2

Long service life knife edge rollers from igus provide accurate and lubricant-free deflection of conveyor belts. (Source: igus GmbH)

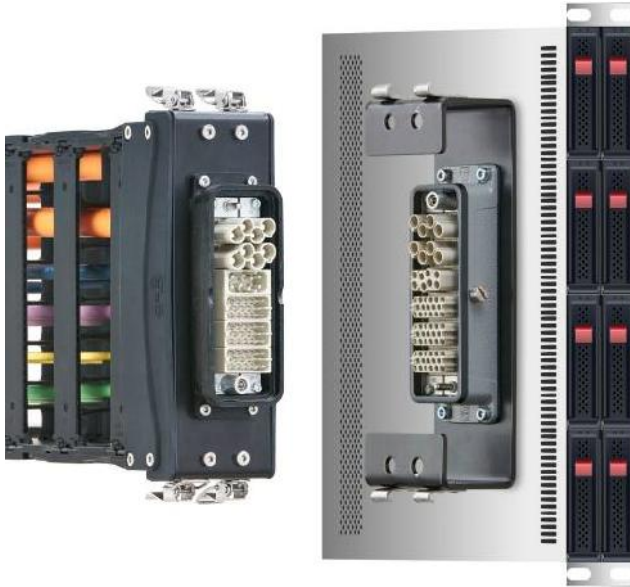


Image PM1914-3

The new plug-in "readychain speed" energy chain facilitates connecting harnessed e-chainsystems within seconds, without using tools. (Source: igus GmbH)

CONTACT:

igus® GmbH
Spicher Str. 1a
D-51147 Köln
Phone +49-22 03 / 96 49-0
Fax +49-22 03 / 96 49-222
info@igus.de
www.igus.de

ABOUT IGUS :

igus GmbH is a globally leading manufacturer in the field of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 35 countries and employs around 2,400 people around the world. In 2013, igus generated a turnover of 427 million euros with motion plastics, plastic components for moving applications. igus operates the largest test laboratories and factories in its sector to offer customers quick turnaround times on innovative products and solutions tailored to their needs.

PRESS CONTACT:

Oliver Cyrus
Head of Media and Advertising

igus® GmbH
Spicher Strasse 1a
51147 Cologne
Tel. +49 22 03 / 96 49-459
Fax +49 22 03 / 96 49-631
ocyrus@igus.de
www.igus.de/de/presse

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